BRUHATH BANGALORE MAHANAGARA PALIKE

R.R. Nagara Division

Work Slip: As per Std Tender Documents

PWG Form-45

Name of work: Imropevements to road, drain and other works in Khatha Nagar in Ward No 16 and Improvements to road drain and other works in Siddharata Nagar, Peenya Plantation in Ward No 16

Estimate Amount:-
Job No.:-
Work Order No.:
Name of Agency:-N.M Krishnamurthy

Sl. N0	Description fof Item	Unit	As perScdule-B			Anticipated Qty	As per Execution upto 125 % @ tender Rate			As per Execution above 125 % Excecution year SR +/- T.P (2015-16 S.R)			Work Slip Amount
			Qty	Rate (Rs.)	Amount	Qty	Qty	Rate (Rs.)	Amount	Qty	Rate (Rs.)	Amount	
1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14
1	Removing B.S. slab of Drain and stacking.	Sqm	105.30	67.85	7144.605	130.50	130.50	67.85	8854.43	0.00	67.85	0.00	1709.82
2	Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	105.300	84.78	8927.33	130.50	130.50	84.78	11063.790	0.00	84.78	0.00	2136.46
3	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	263.17	201.00	52897.170	263.69	263.69	201.00	53001.690	0.00	201.00	0.00	104.52
4	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202	Cum	809.59	504.00	408033.360	965.81	965.81	504.00	486770.054	0.00	504.00	0.00	78736.69

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14
5	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	37.95	5903.75	224047.313	39.03	39.03	5903.75	230393.844	0.00	5903.75	0.00	6346.53
6	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-20	Cum	41.77	6807.00	284328.390	45.51	45.51	6807.00	309786.570	0.00	6807.00	0.00	25458.18
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	273.00	330.00	90090.000	295.20	295.20	330.00	97416.000	0.00	330.00	0.00	7326.00

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14
9	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	144.00	1095.00	157680.000	158.88	158.88	1095.00	173973.600	0.00	1095.00	0.00	16293.60
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nduding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	3.60	5900.00	21240.000	3.97	3.97	5900.00	23434.800	0.00	5900.00	0.00	2194.80
1	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge. Data rate	Sqm	304.30	1972.00	600079.600	484.38	380.38	1972.00	750099.500	104.01	1972.00	205097.86	355117.76
2	Providing and fixing RCC pre cast covering slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and dwon size with stel reinforcement including from work lift charges curing and concrete finished surface on both side etc., comlete and asper drawing and the direction of Engineering incharge(Data Rate)	Sqm	23.40	5495.00	128583.000	27.00	27.00	5495.00	148365.000	0.00	5495.00	0.00	19782.00

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14
15	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment lo	Cum	404.79	164.00	66385.560	1206.25	1206.25	164.00	197825.656	0.00	164.00	0.00	131440.10
16	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	404.79	5630.00	2278967.700	588.63	505.99	5630.00	2848709.625	82.64	5630.00	465256.16	1034998.09

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14
17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as	Cum	607.19	6404.00	3888444.760	736.56	736.56	6404.00	4716906.929	0.00	6404.00	0.00	828462.17
3	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	4047.93	45.00	182156.850	4825.02	4825.02	45.00	217125.720	0.00	45.00	0.00	34968.87

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	Amt 14
9	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement	Rmt	1757.02	133.50	234562.170	2088.50	2088.50	133.50	278814.750	0.00	133.50	0.00	44252.58
3	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	14.00	65.00	910.000	14.02	14.02	65.00	911.138	0.00	65.00	0.00	1.14
6	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202	Cum	1454.47	504.00	733052.880	1781.28	1781.28	504.00	897763.608	0.00	504.00	0.00	164710.73

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15	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	727.24	5630.00	4094361.200	897.38	897.38	5630.00	5052246.585	0.00	5630.00	0.00	957885.39
16	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as	Cum	1090.85	6744.00	7356692.400	1361.07	1361.07	6744.00	9179023.034	0.00	6744.00	0.00	1822330.63

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1	2	3	4	5	6	11	8	9	10.00	11	12	13	14
47	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	7272.35	46.00	334528.100	8974.04	8974.04	46.00	412805.610	0.00	46.00	0.00	78277.51
48	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement	Rmt	3264.30	136.00	443944.800	4076.10	4076.10	136.00	554349.600	0.00	136.00	0.00	110404.80
	Total				29186424.00				28506066.79			670354.022	5722938.36
					34909362.36								
				Execution Amount	29176420.82								
				Percentage Of Excess	19.61								

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100
5722938.36/107284125.92)x100 = 19.61%

Assistant Engineer
Ward No-16
Bruhat Bangalore Mahanagara Palike

Asst. Excecutive Engineer
Yeswanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Executive Engineer
R.R.Nagara Division
Bruhat Bangalore Mahanagara Palike

work slip amount of Rs. 57,22,938/- is hereby approved.

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ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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